



EEL RIVER WATER COUNCIL

Water Resource Development Maps Northwestern California

- PLATE I** – Contra Costa, Solano, Yolo, Napa & Sonoma Counties
- PLATE II** – Marin, Napa, Sonoma, Lake & Mendocino Counties
- PLATE III** – Mendocino & Lake Counties
- PLATE IV** – Humboldt & Trinity Counties
- PLATE V** – Trinity, Humboldt & Del Norte Counties

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EEL RIVER WATER COUNCIL
 2380 PROFESSIONAL DRIVE
 SANTA ROSA, CALIFORNIA 95401
 WILLIAM SEEGER, PRESIDENT
 JERALD R. BUTCHERT, EXECUTIVE OFFICER

DESCRIPTION OF MAPS

This series of five maps shows, on a watershed basis, the extent of and location of existing and proposed water development in Northwestern California. Existing lakes, reservoirs, rivers, bays, salt water areas, canals and aqueducts are shown in blue. Features in black indicate cities and towns, county boundaries, highways and railroads. The green areas indicate open spaces, agricultural, and forested areas. Authorized and proposed water projects and those under study are shown in red.

The difference between proposed water projects and those under study is this:

For proposed water projects, feasibility level reports have been completed and made public. However, no reports of a formal nature have been issued for the projects under study as of November, 1969. Authorized projects have been authorized for construction by the Congress, but construction has not commenced.

USE OF MAPS

The set of maps have been produced to be used in several ways: First, each map as near as possible, shows a major river basin or interrelated basins, and are therefore usable as a separate map. Second, the scale of the maps is such that they may be placed together to form a mosaic which shows the entire Northwest region of California. Thus, they are suitable for a wall display. Finally, the sheet size is 11" by 17". Folded once, the maps can be placed in a conventional 8½" by 11" report or folder.

MEAN ANNUAL RUNOFF OF MAJOR STREAMS

Russian River	1,500,000 acre feet
Mattole River	900,000 acre feet
Eel River	6,300,000 acre feet
Mad River	1,000,000 acre feet
Klamath River	12,000,000 acre feet
Smith River	2,900,000 acre feet
Cache Creek	450,000 acre feet
Putah Creek	350,000 acre feet
Mendocino Coastal Streams	2,100,000 acre feet

NOTE

The proposed water projects and those under study may or may not be built depending upon a number of factors. These are statewide population growth, need for agricultural products, feasibility and desirability of alternative sources of water supply, social and ecological effects, and political acceptability.

POPULATION TRENDS

COUNTY	1960	1990	2020
Del Norte	17,800	32,000	56,000
Humboldt	104,900	200,000	390,000
Trinity	9,700	16,000	29,000
Mendocino	51,000	80,000	170,000
Lake	13,800	50,000	101,000
Sonoma	147,800	420,000	740,000
Marin	146,800	440,000	680,000
Napa	65,900	215,000	470,000
Yolo	65,700	209,000	614,000
Solano	134,600	458,000	1,050,000
Contra Costa*	409,000	1,100,000	1,500,000

WATER REQUIREMENTS

COUNTY	1960	1990	2020
Del Norte	7,700	15,200	21,700
Humboldt	54,400	210,000	250,000
Trinity	10,300	16,900	23,800
Mendocino	59,600	115,000	129,200
Lake	47,600	88,500	121,900
Sonoma	102,400	193,800	312,300
Marin	24,100	79,900	138,500
Napa	33,000	85,000	157,000
Yolo	777,400	947,000	1,113,200
Solano	368,500	516,600	730,400
Contra Costa*	500,000	800,000	1,000,000

*Figures courtesy of Contra Costa County Water Agency; all other figures have been obtained from the California Department of Water Resources.

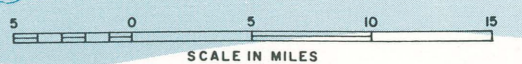
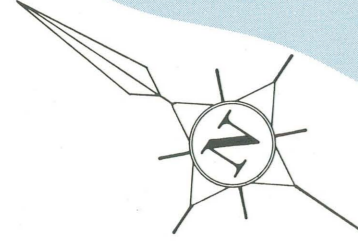


PLATE 3